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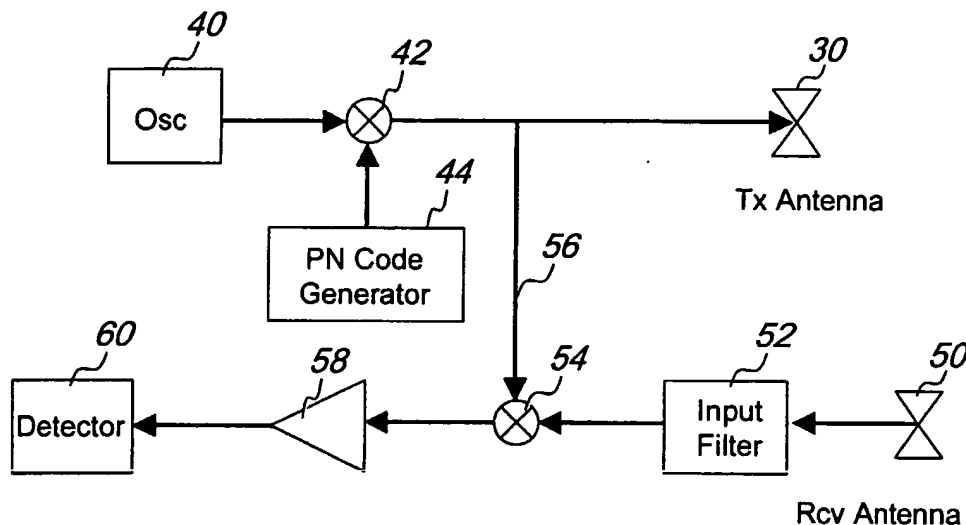
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(54) Title: **HUMAN DETECTION DEVICE**



(57) Abstract: A device for detecting humans includes a radio frequency transmitter for generating a signal in a frequency range in which human bodies absorb RF radiation. A radio frequency receiver is spaced relative to the radio frequency transmitter for receiving a portion of the signal. A human passageway is provided between the transmitter and receiver. The receiver includes a detector responsive to a change in the received portion of the signal for determining the passing by of a human. The detector is responsive to an amplitude and/or phase change in the received portion of the signal. A building access security system or people counting system would include a plurality of devices set up in adjacent lanes. The RF detection system may be augmented with the addition of an IR detection beam system, distance sensors and/or a video camera system. The video camera system may include stereo video.



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*